



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hammond et al.
Appl. No.: 10/629,680
Conf. No.: 6562
Filed: July 30, 2003
Title: METHOD FOR EXTRACTING RELEVANT KEYWORDS FROM A USER'S ACTIVE DOCUMENT
Art Unit: 2166
Examiner: Unknown
Docket No.: 117409-018

06/22/2007 CNEGA1 00000031 021818 10629680

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Sir:

Submitted herewith is an Information Disclosure Statement for consideration in the above-identified application. In accordance with the provisions of 37 C.F.R. 1.56, 37 C.F.R. 1.97, and 37 C.F.R. 1.98, Applicants request that a citation and examination of the references cited on the enclosed PTO-1449 form be made during the course of examination of the above-identified application for United States patent. Pursuant to 37 C.F.R. 1.98, copies of any cited foreign patent documents and non-patent documents are enclosed.

This Information Disclosure Statement is submitted:

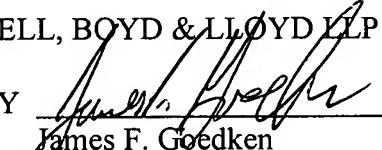
- Within three months of filing of a national application; within three months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application; before the mailing date of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a Request for Continued Examination.
- After the period specified above, but before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application and is accompanied by one of:
 - Payment of the fee set forth in 37 CFR 1.17(p); or
 - The certification specified in 37 CFR 1.97(e) follows.
- After the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application and is accompanied by the fee set forth in 37 CFR 1.17(p) and the certification specified in 37 CFR 1.97(e) follows.

- The undersigned counsel for applicant(s) hereby certifies each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.
- The undersigned counsel for applicant(s) hereby certifies that no item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.
- A copy of a Search Report from a corresponding foreign patent application is enclosed.
- A check in the amount of \$180 to cover the required fee is enclosed.
- The Commissioner is hereby authorized to charge the amount of \$180 to cover the required fee to Deposit Account No. 02-1818.
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-1818.

Respectfully submitted,

BELL, BOYD & LLOYD LLP

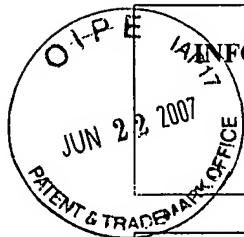
BY


James F. Goedken

Reg. No. 44,715

Customer No. 24573

Dated: June 20, 2007



**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**
(Use several sheets if necessary)

PTO Form 1449

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| Atty Docket No. 117409-018 | Application No. 10/629,680 |
| Applicant Hammond et al. | Date Submitted June 20, 2007 |
| Filing Date July 30, 2003 | Group 2166 |

U.S. PATENT DOCUMENTS

| Examiner's Initials | Document Number | Publication Date | Inventor | Class | Subclass | Filing Date If Appropriate |
|---------------------|-----------------|-------------------|----------------|-------|----------|----------------------------|
| | 6,236,768 | May 22, 2001 | Rhodes et al. | | | |
| | 6,581,050 | June 17, 2003 | Horvitz et al. | | | |
| | 2004/0267730 | December 30, 2004 | Dumais et al. | | | |
| | 2006/0074883 | April 6, 2006 | Teevan et al. | | | |

FOREIGN PATENT DOCUMENTS

| Examiner's Initials | Document Number | Publication Date | Country | Class | Subclass | Translation | |
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| | | | | | | Yes | No |
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| Examiner's Initials | OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |
|---------------------|--|
| | Henzinger, M., Chang, B., Milch, B., Brin, S. "Query-Free News Search" in <i>Proceedings of the 12th International Conference on the World Wide Web</i> . Budapest: May 20-24 2003. |
| | Alexa, Available at http://www.alexa.com/ . |
| | AltaVista, Available at http://www.altavista.com/ . |
| | 1-click Answers, Available at http://www.answers.com/main/product_info.jsp |
| | Autonomy ActiveKnowledge Press Release, Available at http://www.autonomy.com/content/News/Releases/1997/0407.en.html (April 7, 1999). |
| | Excite, Available at http://www.excite.com/ . |
| | Google, Available at http://www.google.com/ . |
| | Lycos, Available at http://www.lycos.com/ . |
| | Yahoo!, Available at http://www.yahoo.com/ . |
| | Yahoo! Maps, Available at http://maps.yahoo.com/ . |

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|---------------------|---|
| | Billsus, D., and Pazzani, M., "A Personal News Agent that Talks, Learns and Explains," in <i>Proceedings of The Third International Conference on Autonomous Agents</i> , (Minneapolis MN, USA, May 9-13, 1998) ACM Press, 1998. |
| | Maglio, P., Barrett, R., Campbell, C., Selker, T., "SUITOR: An Attentive Information System," in <i>Proceedings of IUI 2000</i> , (New Orleans, Louisiana, United States, January 9-12, 2000) ACM Press, 2000. |
| | Trevor, J., Hilbert, D., Billsus, D., Vaughan, J., and Tran, Q., "Contextual Contact Retrieval," in <i>Proceedings of IUI 2004</i> , (Funchal, Maderia, Portugal, January 13-16, 2004) ACM Press, 2004. |
| | Bradshaw, S., Scheinkman, A., and Hammond, K. J., "Guiding People to Information: Providing an Interface to a Digital Library Using Reference as a Basis for Indexing," in <i>Proceedings of The 2000 International Conference on Intelligent User Interfaces</i> , (New Orleans, Louisiana, USA, Jan 9-12, 2000), ACM Press, 2000. |
| | Bradshaw, S., Hammond, K. J., "Automatically Indexing Documents: Content vs. Reference," in <i>Proceedings of Sixth International Conference on Intelligent User Interfaces</i> , (San Francisco, CA, USA Jan 13-16, 2002), ACM Press, 2002. |
| | Budzik, J., Hammond, K. J., Marlow, C., and Scheinkman, A., "Anticipating Information Needs: Everyday Applications as Interfaces to Internet Information Resources," in <i>Proceedings of The 1998 World Conference of the WWW, Internet and Intranet</i> , (Orlando, FL), AACE Press, 1998. |
| | Budzik, J., Bradshaw, S., Fu, X., and Hammond, K. Supporting Online Resource Discovery in the Context of Ongoing Tasks with Proactive Software Assistants. <i>International Journal of Human-Computer Studies</i> , 56(1), pp. 47-74. January 2002, Academic Press. |
| | Budzik, J., and Hammond, K. J., "User Interactions with Everyday Applications as Context for Just-in-time Information Access," in <i>Proceedings of The 2000 International Conference on Intelligent User Interfaces</i> , (New Orleans, Louisiana, USA Jan 9-12, 2000), ACM Press, 2000. |
| | Budzik, J., Hammond, K., and Birnbaum, L., "Information Access in Context," <i>Knowledge Based Systems</i> , 14(1-2), 37-53, Sept 30, 2001. |
| | Budzik, J., Bradshaw, S., Fu, X., and Hammond, K. J., "Supporting on-line resource discovery in the context of ongoing tasks with proactive software assistants," <i>International Journal of Human-Computer Studies</i> , 56, 47-74, January 2002. |
| | Chen, L., and Sycara, K., "WebMate: A Personal Agent for Browsing and Searching," in <i>Proceedings of The Second International Conference on Autonomous Agents</i> , ACM Press, September 30, 1998. |

| | |
|--|------------------|
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|---------------------|--|
| | Chen, L., Cheng, S., Birnbaum, L., and Hammond, K. J., "The interactive chef: a task-sensitive assistant," in <i>Proceedings of the 7th International Conference on Intelligent User Interfaces</i> (San Francisco, CA USA Jan 13-16, 2002), ACM Press, 2002. |
| | Cheng, I., and Wilensky, R., An Experiment in Enhancing Information Access by Natural Language Processing, Technical Report, Computer Science Division, University of California, Berkeley, Berkeley, CA CSD-97-963, July 1997. |
| | Dean, J., and Henzinger, M. R., "Finding related pages in the World Wide Web," in <i>Proceedings of The Eighth International World Wide Web Conference</i> (Toronto, Canada May 11 - 14, 1999), Elsevier, 1999. |
| | Hearst, M., Pedersen, J., and Karger, D., "Scatter/Gather as a Tool for the Analysis of Retrieval Results," in <i>Proceedings of The AAAI Fall Symposium on AI Applications in Knowledge Navigation</i> , (Cambridge, MA November 1995), AAAI Press, 1995. |
| | Horvitz, E., Breese, J., Heckerman D., Hovel, D., and Rommelse, K., "The Lumiere Project: Bayesian User Modeling for Inferring the Goals and Needs of Software Users," in <i>Proceedings of The Fourteenth Conference on Uncertainty in Artificial Intelligence</i> (July 1998), AAAI Press, 1998. |
| | Howe, A. E., Dreilinger, D., "SavvySearch: A Meta-Search Engine that Learns which Search Engines to Query," <i>AI Magazine</i> , 18(2), 19-25, January 28, 1997. |
| | Johnson, C., Birnbaum, L., Bareiss, R., and Hinrichs, T., "Integrating Organizational Memory and Performance Support," in <i>Proceedings of The 1999 International Conference on Intelligent User Interfaces</i> , (Los Angeles, CA USA Jan 5-8, 1999) ACM Press, 1999. |
| | Kulyukin, V., "Application-Embedded Retrieval from Distributed Free-Text Collections," in <i>Proceedings of The Sixteenth National Conference on Artificial Intelligence</i> , (Orlando FL, USA July 18-22, 1999) AAAI Press, 1999. |
| | Leake, D., Scherle, R., Budzik, J., and Hammond, K. J., "Selecting Task-Relevant Sources for Just-in-Time Retrieval," in <i>Proceedings of The AAAI-99 Workshop on Intelligent Information Systems</i> , (Orlando FL, USA July 18-22, 1999) AAAI Press, 1999. |
| | Lieberman, H., "Letizia: An Agent That Assists Web Browsing," in <i>Proceedings of The International Joint Conference on Artificial Intelligence</i> , (Montreal, Quebec, Canada, August 20-25, 1995). |
| | Lieberman, H., "Integrating User Interface Agents with Conventional Applications," in <i>Proceedings of The 1998 International Conference on Intelligent User Interfaces (IUI 98)</i> , (San Francisco CA, USA Jan 6-9, 1998), ACM Press, 1998. |

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|--|------------------|
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|---------------------|--|
| | Pazzani, M., Muramatsu J., and Billsus, D., "Syskill & Webert: Identifying interesting Web sites," in <i>Proceedings of The Fourteenth National Conference on Artificial Intelligence</i> , (Portland OR, USA, Nov 9-11 1996) AAAI Press, 1996. |
| | Phelps, T., and Wilensky, R., "Robust Intra-document Locations," in <i>Proceedings of Ninth International World Wide Web Conference</i> , (Amsterdam, The Netherlands May 15-19, 2000), Foretec Seminars, 2000. |
| | Rhodes, B., and Starner, T., "A continuously running automated information retrieval system," in <i>Proceedings of The First International Conference on The Practical Application of Intelligent Agents and Multi Agent Technology</i> , 487-495, May 1, 1996. |
| | Rhodes, B., "Margin Notes: Building a Contextually Aware Associative Memory," in <i>Proceedings of The 2000 International Conference on Intelligent User Interfaces</i> , (New Orleans, Louisiana, USA Jan 9-12, 2000), ACM Press, 2000. |
| | Salton, G., Wong, A., and Yang, C. S., "A vector space model for automatic indexing," <i>Communications of the ACM</i> , 18(11), 613-620, November 1975. |
| | Salton, G., and Buckley, C., "Improving Retrieval Performance by Relevance Feedback," in: Sparck Jones, K., and Willett, P., ed., <i>Readings in Information Retrieval</i> . San Francisco, CA: Morgan Kauffman, December 1997. |
| | Krema, M., Birnbaum, L., Budzik, J., and Hammond, K. Thermometers and Thermostats: Characterizing and Controlling Thematic Attributes of Information. In <i>Proceedings of Intelligent User Interfaces 2002</i> (San Francisco CA USA, Jan 13-16 2002). ACM Press, 2002. |
| | Selberg, E., and Etzioni, O., "The MetaCrawler Architecture for Resource Aggregation on the Web," <i>IEEE Expert</i> , November 8, 1996. |
| | Turney, P., Learning to Extract Keyphrases from Text, National Research Council Canada, Institute for Information Technology NRC-41622, February 17, 1999. |
| | Zamir, O., and Etzioni, O., "Grouper: A Dynamic Clustering Interface to Web Search Results," in <i>Proceedings of The Eighth International Conference on the World-Wide Web</i> , (Toronto Canada, May 11-14, 1999) Elsevier, 1999. |
| | Budzik, J., and Hammond, K. (1999). Watson: Anticipating and Contextualizing Information Needs. In Proceedings of the Sixty-Second Annual Meeting of the American Society for Information Science (Oct 31, Nov 4, 1999). Learned Information, Inc., Medford, NJ, 1999. |
| | Budzik, J. <i>Information Access in Context</i> . (Ph. D. Diss., Northwestern University, June, 2003). |

| | |
|--|------------------|
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| | Budzik, J., Hammond, K., Birnbaum, L., and Krema (2000). Beyond Similarity. In <i>Working notes of the AAAI 2000 Workshop on AI for Web Search</i> (Austin TX USA, July 30 – Aug 1, 2000), July 2000, AAAI Press. |
| | Budzik, J., and Hammond, K. (1999). Watson: An Infrastructure for Providing Task-Relevant, Just-In-Time Information. Presented at AAAI 1999 Workshop on Intelligent Information Systems (Orlando FL USA, July 18-19, 1999). |
| | Budzik, J., Hammond, K., and Birnbaum, L. Information access in Context. <i>Knowledge-Based Systems</i> 14(1-2), pp 37-53, March 2001. Elsevier. |
| | Knoblock, C., and Minton, S., "The Ariadne Approach to Web-Based Information Integration," <i>IEEE Intelligent Systems</i> , 13(5), September/October 1998. |
| | Lieberman, H., Rosenzweig, E., and Singh, P., "Aria: An Agent For Annotating And Retrieving Images," <i>IEEE Computer</i> , July 2001. |
| | Czerwinsky, M., Dumais, S., Robertson, G., Dziadosz, S., Tiernan, S., Dantzich, M., "Visualizing implicit queries for information management and retrieval," In <i>Proceedings of CHI 1999</i> . (Pittsburgh, PA, USA, May 15-20) New York: ACM Press, 1999. |
| | Dumais, S., Cutrell, E., Sarin, R., Horvitz, E., "Implicit queries (IQ) for contextualized search", In <i>Proceedings of SIGIR 2004</i> . (Sheffield, UK, July 25-29, 2004). New York: ACM Press, 2004. |
| | Price, M., Golovchinsky, G., and Schilit, B., "Linking by inking: trailblazing in a paper-like hypertext" In <i>Proceedings of HYPERTEXT 1998</i> . (Pittsburgh, PA, USA, June 20-24, 1998). New York: ACM Press, 1998. |
| | Bush, V., "As We May Think" <i>Atlantic Monthly</i> , July, 1945 |

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